



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the PATENT APPLICATION of:

De et al.

Application No.: 10/080,212

Confirmation No.: 2914

Filed: 2/21/2002

For: SINGLE USER DETECTION USER
EQUIPMENT

Group: 2661

Examiner: Not Yet Known

Our File: I-2-0173.2US

Date: August 5, 2002

COPY OF PAPERS
ORIGINALLY FILED

RECEIVED

AUG 13 2002

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

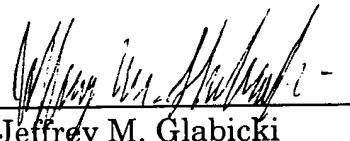
Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56,
Applicants wish to bring to the Examiner's attention the material cited on the enclosed
PTO-1449 form.

It is respectfully requested that the Examiner consider these documents and
return an initialed copy of the PTO-1449 form indicating his consideration of the cited
materials.

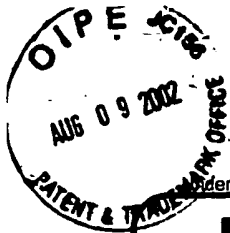
Respectfully submitted,

De et al.

By


Jeffrey M. Glabicki
Registration No. 42,584
(215) 568-6400

Volpe and Koenig, P.C.
Suite 400, One Penn Center
1617 John F. Kennedy Boulevard
Philadelphia, PA 19103
JMG/jrd
Enclosures



COPY OF PAPERS
ORIGINALLY FILED

Volpe and Koenig Revision of PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 0

Complete if Known

Application Number	10/080,212
Filing Date	2/21/2002
First Named Inventor	De et al.
Examiner Name	Not Yet Known
Group Art Unit	2661
Attorney Docket No.	I-2-0173.2US

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 22-0493

Deposit Account Name: VOLPE AND KOENIG, P.C.

☒ Charge any Deficiencies or Credit any Overpayment in the Total Fees Associated With This Communication

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					0

2. EXTRA CLAIM FEES

Total Claims: - ** = X =

Independent Claims: - ** = X =

Multiple Dependent Claims: =

Large Entity		Small Entity		Fee Description	
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES					
Fee Code	Large Entity (\$)	Small Entity (\$)	Fee Code	Fee (\$)	Fee Description
105	130	205	65		Surcharge - late filing fee or oath
127	50	227	25		Surcharge - late provisional filing fee or cover sheet
139	130	139	130		Non-English specification
147	2,520	147	2,520		For filing a request for <i>ex parte</i> reexamination
112	920*	112	920*		Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*		Requesting publication of SIR after Examiner action
115	110	215	55		Extension for reply within first month
116	400	216	200		Extension for reply within second month
117	920	217	460		Extension for reply within third month
118	1,440	218	720		Extension for reply within fourth month
128	1,960	228	980		Extension for reply within fifth month
119	320	219	160		Notice of Appeal
120	320	220	160		Filing a brief in support of an appeal
121	280	221	140		Request for oral hearing
138	1,510	138	1,510		Petition to institute a public use proceeding
140	110	240	55		Petition to revive - unavoidable
141	1,280	241	640		Petition to revive - unintentional
142	1,280	242	640		Utility issue fee (or reissue)
143	460	243	230		Design issue fee
144	620	244	310		Plant issue fee
122	130	122	130		Petitions to the Commissioner
123	50	123	50		Processing fee under 37 CFR 1.17(q)
126	180	126	180		Submission of Information Disclosure Stmt
581	40	581	40		Recording each patent assignment per property (times number of properties)
146	740	246	370		Filing a submission after final rejection (37 CFR § 1.129(a))
149	740	249	370		For each additional invention to be examined (37 CFR § 1.129(b))
179	740	279	370		Request for Continued Examination (RCE)
169	900	169	900		Request for expedited examination of a design application
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					0

RECEIVED
AUG 13 2002
Technology Center 2600

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Jeffrey M. Glabicki	Registration No. (Attorney/Agent)	42,584
Signature		Telephone	215-568-6400
		Date	8/5/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



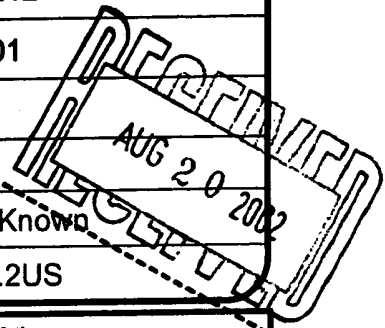
COPIES OF PAPERS
ORIGINALLY FILED

266/8-21-0

Please type a plus sign (+) inside this box → ☐ +

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/080,212	
	Filing Date	2/21/2001	
	First Named Inventor	De et al.	
	Group Art Unit	2661	
	Examiner Name	Not Yet Known	
Total Number of Pages in This Submission	6	Attorney Docket Number	I-2-0173.2US



ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		RECEIVED AUG 13 2002 Technology Center 2600

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Jeffrey M. Glabicki Volpe and Koenig, P.C.	Reg. No. 42,584
Signature		
Date	August 5, 2002	

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: August 5, 2002			
Typed or printed name	Jeffrey M. Glabicki	Date	August 5, 2002
Signature			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**GROUP
2661**

[illegible][illegible]

	AG	Benvenuto N. et al. "Joint Detection With Low Computational Complexity For Hybrid TD-CDMA Systems" VTC 1999-Fall. IEEE VTS 50th. Vehicular Technology Conference. Gateway to the 21st Century Communications Village. Amsterdam, Sept. 19-22, 1999, IEEE Vehicular Technology Conference, NY
	AH	Vandaele P. et al. "Recursive Total Least Squares Algorithm for Single-User Blind Channel Equalisation: IEE Proceedings: Vision, Image and Signal Processing, Institution of Lectrical Engineers, FB, Vol 147, No. 3, 23 June 2000
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**COPY OF PAPERS
ORIGINALLY FILED**